

Ocean Education

Ocean Education is a fundamental theme running throughout the Ocean Research Priorities Draft Plan

- **It is an important and essential prerequisite and component of ocean research**
- **It will help generate support and resources for ocean science**



Ocean Education Challenges



- **Communicate the value of ocean resources and science effectively (4)**
- **Ensure a diverse and qualified workforce (4)**
- **Bridge, address, and capitalize cultural, geographic, languages, values, and practices to reach diverse audiences (4)**
- **Improve knowledge of conveyers of ocean information and create an educational continuum that promotes a knowledgeable and ocean-literate public (4)**
- **Understand the needs and priorities of end users (3)**
- **Recognition and acceptance of ocean education and its impact on economic/global competitiveness by the scientific/technology research community and decision-makers (1)**

Ocean Education Actions (1 of 3)

- **Establish a nationally coordinated ocean education and public engagement effort (Long term and short term) (4)**
 - **Implement a national ocean education strategy (2)**
 - **Enhance long term information transfer capacity (3)**
 - **Develop an effective infrastructure to support ocean education (2)**
 - **Convene ocean science communicators to design and implement a communications plan (2)**
 - ****NOW** Designate “science translators” for each societal theme to make the science education link and to engage in the development of the final plan and implementation strategy (1)**
- **Conduct an inventory and gap analysis of audiences and their needs (NRC?) (3)**

Ocean Education Actions (2 of 3)

- **Develop a research to education program for all federal agencies (agency priorities, charters, organic acts, mandates) and federally funded activities (e.g. include an “awards” event to recognize excellence) (3)**
- **Integrate the ocean into formal education (3)**
 - **Develop cross-curricular material that engenders an appreciation of the oceans,**
 - **Develop ocean science examples to address existing science standards, and**
 - **Include ocean science principles and concepts in national standards**

Ocean Education Actions (3 of 3)

- **Create and disseminate quality controlled content in partnerships with diverse organizations and end users (2)**
- **Identify, promote, and cultivate role models for ocean stewardship and workforce in diverse communities (2)**
- **Create competitive incentives to develop and share training and job placement programs for workforce enhancement (1)**
- **Provide professional/meaningful rewards to scientists for including education and outreach components within research and/or participating in education and outreach efforts (1)**